

10

the cavity in the shell, the side bar being movable relative to the barrel and the shell;

15

a blocking mechanism, located in said barrel, positionable in a blocking position [relative to] in contact with the side bar, which position blocks [motion] retraction of the side bar [with respect to] from the cavity in the shell, and thereby prevents rotation of said barrel, and also positionable in an unblocking position relative to the side bar, which permits the side bar to be retracted from [moved relative to] the cavity in the shell to allow the barrel to be rotated with respect to the shell;

20

an electrically activated drive mechanism cooperating with the blocking mechanism to selectively move the blocking mechanism from the blocking position to the unblocking position in which the side bar moves out of the cavity upon rotation of the barrel; and

25

control means for activating the electrically activated drive mechanism in response to an authorized attempt to operate the lock cylinder.--

~~--13.~~ (twice amended) An electromechanical lock cylinder, comprising:

an outer shell having a bore formed therein and a cavity extending from the bore into the shell;

a barrel disposed within the bore in the shell and being rotatable relative thereto;

a blocking mechanism⁴⁷, located in said barrel, for normally blocking rotation of said barrel and being movable to an unblocking position to permit rotation of said barrel; and

B²
cont
means cooperating¹¹⁰ with the blocking mechanism for selectively moving the blocking mechanism from the blocking position to the unblocking position upon occurrence of a predetermined condition, said moving means, located in said barrel, comprising a shape memory alloy actuator activated by passing electrical current therethrough, said shape memory alloy actuator being disposed within said barrel.--

Please cancel claim 21 ~~w~~ without prejudice or disclaimer.

--22. (amended) An electromechanical [A] lock cylinder [according to claim 21, further] comprising:

B³
an outer shell having a bore formed therein and a cavity extending from the bore into the shell;

a barrel disposed within the bore in the shell and being rotatable relative thereto;

a blocking mechanism located in said barrel for normally blocking rotation of said barrel and being movable to an unblocking position to permit rotation of said barrel; and

electronic control means located at least in said lock cylinder cooperating with the blocking mechanism to selectively move the blocking mechanism from the blocking position to the